

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: "lsm" <lsm@dscs.dk>
Subject: [3664] Antenna-tuner from 73 magazine, coil data PSE
Message-ID: <9509028126.AA812662401@smtplink.dscs.dk>

Hi all

I have read several postings mentioning an antenatuner project in 73 Magazine with a toroid inductor. I rushed to the local club, only to find that the magazine was not available. I would therefore be glad if someone could send me some details on the inductor, ie. number of turns and taps. I can figure out the diagram (I guess) and I don't need the SWR-meter since it is internal to my Ten-Tec 509.

TNX in advance

73 - Lars, OZ1CJX, lsm@dscs.dk

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: am257@detroit.freenet.org (Tim English)
Subject: [3648] caps and roller inductors
Message-ID: <199510012343.TAA06746@detroit.freenet.org>

Someone using the email address of PaulKB8N@aol.com left a message selling some roller inductors and capacitors for a tuner construction. The email came back user unknown. Anyone have this fellows correct email address or know how I can get in touch with KB8N ?
Thanks, Tim
am257@detroit.freenet.org

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: [3657] Cascade Errata Oct1
Message-ID: <9510020303.AA14332@deneb.csustan.edu>

Errata List Cascade SSB Transceiver

Guys here is a list of mistakes in the manual. I apologize for the inconvenience but I also take full responsibility. Thanks to Lee Stanford, Mike Ardai, Dave Meacham and Rob Capon for their help in finding the mistakes.

Cascade Manual Page 4

Parts List:

C17 2-12pF Air Trimmer (number on part is 189-503-5) It is the shorter of the two.

C34 2-20pF Air Trimmer (number on part is 189-509-5)

Cascade Manual Page 5

R2, 22, 59, 63, 97, 98 10K should have 73 instead of 63

Cascade Manual Page 6

U5 LM383 (part shipped is TDA2002 or UPC2002)

Cascade Manual Page 9

R63 should be 1K not 4.7K (Late change as of 9-30-95)

Cascade Manual Page 12, Section 1:

Install R19 also. R75 is in the schematic but not used on the board.

Cascade Manual Page 12, Section 2 and Cascade Manual Page 8,

C23 is a 51pF not 47pF as in the cross reference list. The parts list and schematic are right.

Cascade Manual Page 13, Section 3:

C18 was installed in Section 1. Make sure that you used the right screws, and connected the front left lug (facing the cap) to the pad just below it. The shorter variable cap goes to the left nearest the toroid and the taller one goes to the right, nearest the edge. Also install D1.

If you install the front panel at this time, make sure that you have the front of the tuning capacitor hang over the front edge of the board the same amount as the mike and speaker jack do. This will insure that your panel fits square. Also, you will have to file the screws to mount the front panel to the tuning capacitor, as we were unable to find any 3/16 x 4-40 screws. Make sure that the front panel screws don't touch the plates of the capacitor. You should have at least 1/16" clearance.

Don't coat the coil with Q-Dope until you are sure that you have the correct number of turns. Coat it after you have verified the VFO frequency.

Cascade Manual Page 18, Section 4:

R64, a 10K trimpot, does not fit the board. Somehow the holes were not drilled large enough. We suggest that you purchase a 10K trimpot with wire leads, which will fit. Bob Cutter, KI0G, who has his Cascade on the air, was able to get the trimpot supplied to fit by squeezing and filing the leads. It is easier to buy a wire lead one.

The nonpolarized cap is C96, not C98. D11 is not mentioned in the cross-referenced table. R27 was already installed in Section 1. Also, the test where the hum drops out when the Mike PTT button is pressed does not work unless Q16, R68 and R73 are installed to provide a path to the +8TX line.

Install C99

Cascade Manual Page 18, Section 5:

I dropped a line in the parts list that should be installed in this step. Add the following to the parts which should be installed at this time: C7, C68, C69, C70, C71, C72, C74, C75, C76, C79, C88, C92, R47, R48, R51, R52, R62, R63 (1K not 4.7K) and U1. Some of the NPO ceramic disks are actually little blue monos. The square pad for C12 does go to pin 7, so it is OK. R7 was installed in Section 1. When you install the temporary jumper from W1 to W2, it is done between the round pads that are near the plugin band module. Use a piece of resistor lead.

When Testing, U6 pin 8 and Q13 Source will be 0V until PTT is pressed, then they will be 6.7 and 2V as described.

Cascade Manual Page 21, Section 6:

The silk screen pattern for the 75M band module is wrong for the number of turns on L2. It shows 20 turns. It should show 23 turns, which is consistent with the schematic and parts list. Also, C13 and C14 are NOT used on the 20 meter Bandmodule, even though the parts layout and the silkscreening show them. During testing, RF gain pot has no effect, since it is not connected yet. You may also want to install the cover for the bandmodule using the two standoffs and the 4-40 screws.

Cascade Manual Page 24, Section 7: Also install C10. At this point, all components except R13, R8, C15 (by mike jack) and R58 (in BF0) in front of the band module connector should be installed.

Cascade Manual Page 28, Section 10:

When you mount the pcboard to the spacers, you will find that the screws are too long. File them off so that the screw is only 1/2" long. The screws go through J4 and then through the board and then into the standoffs.

CASCADE MOD #1

by Dave Meacham, W6EMD

Cascade builders, here are some mods to improve your rig:

- 1) Reduce R63 to 1K Ohm to cure overmodulation.
- 2) Increase R25 to 22 Ohms to reduce audio gain (if you prefer)
- 3) These changes are for the 75 meter band module. They improve the low-pass filter match for the PA while maintaining proper

harmonic rejection. Output power goes from about 6W to about 9W PEP.

L2 = L3 = 2.1uH, 23 T #26 on T37-2 Core (red). Measure if you can, and adjust spacing of turns for 2.1uH. I had to use 22T on one core!

C12 = 680pF

C15 = 1200pF

C16 = 560pF

C14 = 150pF

These mods came from my work on the final prototype rig I built. Enjoy!

72, Dave, W6EMD (NorCal #339)

These are the errata for now. Give me a call at 209-392-3522 to see if there are any new ones before you start building. 72, Doug

URGENT URGENT URGENT: I have made a horrible mistake. 35 of the kits were sent out with 2 tuning capacitors. Please, Please return one of them. They are irreplaceable, and are needed to complete kits. I know that they were in the group of kits mailed out but don't know who has them. I am trusting you to bail me out on this one guys. Please send them back immediately as kits are waiting for them. Also, if you haven't opened your kit, please do so. 72, Doug, KI6DS

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: [3652] Cascade Urgent Notice
Message-ID: <9510020045.AA14174@deneb.csustan.edu>

I need to know if anyone got an extra tuning cap in their Cascade Kit. If you did please email me asap. I will be posting an errata sheet later this evening. 72, Doug
KI6DS

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3650] Editing
Message-ID: <199510020028.AAA13070@chuck.dallas.sgi.com>

Gang,

In last message that I fired off in a hurry there should be a phrase like "Looks like two reasons; one due to distances (AK and HI) and the others due to population density of hams".

But now that I think about it there are probably not that many hams in HI and AK either.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: hysell@kodak.com (John D. Hysell)
Subject: [3665] Email address for Dave Hershberger (W9GR)
Message-ID: <9510021152.AA19753@runner.itc.Kodak.COM>

Hi - Does anybody know the current Email address for Dave Hershberger (W9GR). His former address (dlh@gvgdsd.gvg.tek.com) is bouncing...

I want to try building his DSP filter into my Argonaut 509 using the internal Audio
CW filter 'port' instead of tying it into the audio amp output, as usual.
-Hoping he has some ideas on DSP filter mods to improve AGC and sensativity...

I just finished building 2 of his newest model DSP filters - I highly recommend it to anyone thinking of trying DSP. The W9GR III kit assembles easily (first one took 4 hours, the second only 2) and the new case is simply beautiful to behold.

73 -John
KF2XC

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: scott.thomas@circellar.com
Subject: [3646] For Sale/Trade
Message-ID: <9510011618.0MX3K00@circellar.com>

It bothers me to see this go unused, so I would like to pass it on...

All-in-1 Ten Tec Argonaut Accessory Box:
Model 208-A Notch/CW filter (80550)/(80436), Antenna tuner with random wire

input, and Power Supply all enclosed in a gray TT enclosure (about half the width of an argonaut).

In exchange for "best offer" or intel-based motherboard in perfect working order. Other QRP-related trades considered.

Scott,
NM1J.
(Scott.Thomas@circellar.com)

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: "Bill Kelsey - N8ET - Kanga US" <kanga@brutus.bright.net>
Subject: [3651] Houston on Monday Evening??
Message-ID: <199510020045.UAA12203@brutus.bright.net>

I will be in Houston Monday evening - staying at the Doubletree on Post Oak Blvd. If anyone is interested in getting together call there and leave me a message (961-9300)

73
73 - Bill Kelsey - N8ET
Kanga US
kanga@bright.net
419-423-4604
<http://qrp.cc.nd.edu/kanga/>

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3649] KS on 30M
Message-ID: <199510020015.AAA13046@chuck.dallas.sgi.com>

A public thanks to John K5ERJ who caught me just a while ago on 30M. He had sent me email that he would be around and I had just finished a qso with Manchester MD.

I was using the OHR Explorer and playing with 500mW level.

Now only five to go.

The results of the survey for most needed states shows that the top 5 are

AK, HI, NV, ND, and UT. Close behind were DE, SD, and RI. Looks kinda like two because of distance and the others due to population density. My guess.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: af514@detroit.freenet.org (Hank Kohl)
Subject: [3653] Logging programs
Message-ID: <199510020135.VAA03668@detroit.freenet.org>

Paul VE7CQK wrote:

>Any suggestions regarding any of the logging and cw
>programs available???
>
>cheers, Paul
>VE7CQK
>
>email: paul1@wizard.ucs.sfu.ca

Paul....

There are several logging programs. DXBase and DXLog are probably the best. I use DXBase - it logs, keeps track of QRP QSO's, DXCC countries, WAZ zones, etc, AND it sends CW. Prints labels for QSL cards, prints logs, and does over \$85 (think that's the price) worth of stuff. From what I hear DXLog is most likely in second place. Both have a DX PacketCluster interface.

DXBase is by Scientific Solutions

DXLog is by PAYL

If you are looking for contest logging programs, there are two. NA is written by K8CC, sold by LTA. 216-565-9950. About \$50, and it supports QRP-ARCI contests. CT is written by K1EA, sold by K1EA Software. 508-779-5054.

About \$80. No QRP-ARCI contests.

Both send CW, control computer radios, talk to packet, and support about 15 various contests. Both will make files that can be imported into the "major" logging programs.

Although it is hard to explain - Once you have computer contested, or logged, you will never want to go back to paper logs and/or dupe sheets again....

73 Hank K8DD

These, of course, are my opinions and not at all open to discussion until several Elephant Red's have passed the consumption test. (Red Wolf is an acceptable substitute. Red Dog is not.)

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/*  
/*      email      af514@detroit.freenet.org  
/*      call       k8dd      hank      port huron, mi  
/*
```

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: JessQRP@aol.com
Subject: [3670] Loop antenna drawing
Message-ID: <951002101948_6273134@emout05.mail.aol.com>

--PART.BOUNDARY.0.2958.emout05.mail.aol.com.812643588
Content-ID: <0_2958_812643588@emout05.mail.aol.com.6525>
Content-type: text/plain

I have been palying with the file transfer utility on AOL and it appears that I can transfer the loop antenna drwaing that I made in windows paintbrush. I will attatch the file with this message. Hope all of you that can look at this file format will be able to use the drawing. Please excuse the crude appearence of the plans!

Best
Jess

--PART.BOUNDARY.0.2958.emout05.mail.aol.com.812643588
Content-ID: <0_2958_812643588@emout05.mail.aol.com.6526>
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From qrp-l@lehigh.edu Mon Oct 2 11:03:00 1995
From: gnewberry@iavbbs.com
Subject: [3645] Messages
Message-ID: <m0szUxA-0000suC@simtel.Coast.NET>

Hello, is anyone else getting multiple messages ??? or is it my server
??
I sometimes get 2-5 copies of the same message, I click on erase after

I've read a message and even though it says message erased quite often the next one(s) is/are the same message again :(
72 73 Gary

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [3668] No Smoke-Radio
Message-ID: <01HVVJHDXFHE8WWR8Z@tntech.edu>

No Soap-Radio

*this comes from a strange joke that I never understood
about 29 years ago

Friday evening.. end of a really tough week. Yes I am suppose to take my wife out for dinner, and my son is already at a friend's house for the weekend. Sounds like a good time for a romantic weekend.... well there is a major problem.. I am super-stressed from the week's event and a real mess.. seems like I am in dire need for a "therapy session".

I go home, do necessary chores.. change and end up once again in the shack. I have this new four band radio kit.. the Oak Hills Research 400 that I have put 100s of parts into and over 50 wire connections and a bunch of mechanical connections. I had given it the initial smoke test and in keeping with modern health concerns, it chose not to smoke.

I take out the many page alignment procedure and find my place. The initial frequency set up goes very quickly.. 3/4 bands come up exactly on frequency.. the fourth, not all that far off. I start on the oscillator board and tune 8 coils.. all bands tune easily and it seems to be a pretty broad adjustment.. 20 seems a little sensitive.. but think I am close. The cap tunes easily so that TX/REC are on same freq.

Tune up the TX/REC board seems to feel good. At first I notice that 20 meters isn't putting out full 4-5 watts. Then I find I have the power supply turned back to about 9 volts. Turn it up to 13.. power comes right up. All bands give documented power. The rest of the alignment goes fairly

quickly (well I actually missed dinner and was in there for a while.. but the black hole once again took care of the space-time continuum).

To tune the receiver.. decide to take it to the bench and hook up an antenna. Put it on 20 meters.. as I am turning the antenna connector I hear EA3DKR calling CQ.. turn the connector on quickly and give him a call.. Carlos comes right back to me.. who needs all those alignments..he was a 559 and I was also a 559.. the Quad helps a little. The rig is putting out about 4 watts and listening to it, it has a really sweet note. I notice on 20 meters the swr is just a little higher than it should be.. so take out the provided alignment tool and mess with the oscillator board coils for 20... brings it right where it should be.

Had the covers off a number of times during the weekend.. kinda SOP for me. It usually takes me a few times to get it to TX and REC exactly on the same freq... and I like to tweek for a while.

Well I worked an LZ1K0Z almost immediately after the EA station.. and that was thru a pileup. Had a long rag chew on 40.. then wokred some more DX on 20.. a Cuban off the back of the beam.. Later in the weekend a UX3FW..Yura in Izmail, S59AA.. not sure where Franc was from, a SP3WYQ.. George, T77BL.. in the Republic of San Marino (took a while to figure out where that was, 9A2HF.. Franc.

Did some rag chewing on 30,40 and yes 80.. guess this rig will provide an incentive.. have to test in on 80.. can't even remember the last time I was on this band.. but had no problem.

Received comments like

"Ur new rig sounds Great"

"Did you say QRP"

"Congratulations, QRP, sounds FB, Jeff" *this guy

started at 100 watts and we ended up going QRP-QRP on 80

"solid copy"

Last guy I talked with went on and on about how good it sounds.

I worked anyone I heard, even DX that was real weak. I had nice long QSOs with no problem.. on every band.

The rig had great QSK.. timed just the way I like it. The

optional Curtis keyer works fine. The VFO seems very stable. The audio is enough to drive a nice size Radio Shack speaker. Mine is a little weak on side tone audio. but good enough to use.. no problem using headphones.. but I don't like to use them. The receiver is plenty sensitive and selective.. if you can't hear them on this rig. you would almost never have a chance of working them anyway. The TX has variable power control.. seems to put out about 5 watts on 20 and 30 and then a bunch more on 40 and 80..

There is an intangible variable that I have with both the building and the operating of one of these kits.. I call it the enjoyment factor. The building of this gets my top rating. I great deal of time and energy went into making it a very pleasurable experience. Does this mean it is perfect. by no means. yes I could spend a bunch of pages criticizing minor aspects.. but they were minor enough that frankly.. they in no way detracted from the building experience.

The same goes for operating. There are rigs that I just leave alone.. and usually end up selling.. then there are those that I just end up turning on and using.. commercially.. my old Ten Tec Argosy II is one of my favorites. Kit wise the Norcal 40 is way up there. This new OHR400 is so far at the very top of the list for operating pleasure. yes I really don't personally have a need for the front AGC or RF control and wish the power knob would be on the front, but . .well I still love this little puppy and it is plenty house broken.

73,72 and still counting
Jeff, AC4HF

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: PB13128@deere.com
Subject: [3661] NOTE 10/02/95 01:01:09
Message-ID: <DACDXX21.PB13128.101101010095275FDACDXX21@TCP30.DX.DEERE.COM>

Subject: QRV QRP from 'down under'

Just got my Australian call this afternoon and will get busy putting antenna up at the hotel this evening. Will operate 14.060 + or - as time permits with MFJ-9020. Will be operational through 21 October.

As a side note, I left home Friday afternoon found out after arriving here that on Saturday I lost my vertical to the wind. It was on a 35 foot tower. Tower is fine but the vertical will need some work to salvage. Won't be back home till November so the weather in Illinois will just be getting right for antenna work!

CU on 20 meters

Pete, VK4CWX (NN9K, OK8ECZ)

From qrp-l@lehigh.edu Mon Oct 2 11:03:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [3659] QRP ARCI BoD elections soon
Message-ID: <1995Oct02.001733.15381@abs.net>

Attention all QRP-L subscribers who are members of the QRP ARCI--the October issue, not quite on the streets yet as far as I know, should contain a call for nominations for the Board of Directors. All six positions are up for grabs this time, with terms of varying lengths as we try to get things back on track. Anyone interested in running should send their self-nominations as detailed in the issue. (By the way, you don't sit around and wait for someone to nominate you--"nomination" is a misnomer, as it's actually more along the lines of tossing your hat in the ring.)

Three of the slots will be "at-large" and the other three will be for regional directors. I don't know how the details will be worked out, which type of spot you will get, etc, or what will happen if there is no one running from a particular region (east, middle, west); just toss your hat in the ring if interested, and the details will be worked out later :-)

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Mon Oct 2 11:03:00 1995
From: am257@detroit.freenet.org (Tim English)
Subject: [3656] QRP HT wanted

Message-ID: <199510020308.XAA00722@detroit.freenet.org>

At one time AEA and Tokyo High Power made some HF handhelds that operated both SSB and CW. Anyone have one of these they would like to sell ? Been looking for one for quite some time but never asked on the qrp list. Pse state band and price your looking to get. Thanks and 73.

Tim, WB80GM

am257@detroit.freenet.org

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995

From: Joe Gervais <vole@primenet.com>

Subject: [3660] QRP Tales (long)

Message-ID: <199510020610.XAA01616@usr4.primenet.com>

(My apologies use of bandwidth)

Quite a weekend for me. My wife left town Thursday night to visit some old friends, leaving me alone with our 2- and 3.5-year-old boys. No problem, I'm a man of the '90s. Piece of cake. Never mind the fact that my brand new QRP+ (S/N 0870) arrived the previous day. I can resist. I am a rock. Iron will. And I have no way to power it 'til my 7 AH battery gets delivered...

Later that night I check the online callsign database out of sheer optimism. I'd filed an FCC Form 610 ten days prior to request a 7-land callsign, because I *know* that my old 6-land call has kept me from attaining WAS. Grand conspiracy. Nobody wants to work Californians. That's got to be it. Couldn't be my poor antennas or mediocre fist. No way. The new call will guarantee me DXCC within a week. I chuckle over the possibilities.

So it's been 10 days since I mailed it in. Heck, the FCC probably hasn't even opened the envelope yet. Why not check? Just to see what the latest calls are. Am I going to be a KC7Nxx or a KC7Oxx? I quietly admit to myself that I am in dire need of a life.... Hey, wait a minute - That's MY name!!! KC7NEV!!! Oh great, everyone's going to think I live in Las Vegas. But that's ok, got a nice ring to it! And it's a 7-land call. Got to get on the air tonight. No, no, early morning for me. The boys get up at 6AM - clearly not *my* genetics at work here... Besides, it's not like I can use the QRP+ anyway - still no battery.

Morning arrives. Like a steamroller over a road full of frogs. Messy. Make pancakes for the boys. Mickey-mouse style, of course. Curse myself

for having given up caffeine last month. I'll never learn. Finally start waking up when there's a knock on the door. Who the heck... UPS delivery guy. Wonder what... the battery!!! Suddenly I'm wide awake. The packaging flies apart like a cheap suit in a gale-force wind as I seek the prize within. Aha! Oh, not charged. Of course. How long? *Eight* hours? No problem, have to deal with the landscaping today anyway. Tonight, it's all mine...

8PM, boys are asleep. So am I.

Another morning. Another sunrise. What the heck am I doing watching the sun come up?!? Yech. Battery fully charged though, and I'm ready to go for it. Oh wait, breakfast for the boys. Ah, the magic of Cheerios. Time to put up my PVC antenna mast. No, time to change yet another diaper. My wife swore the little one has one dirty diaper a day. I'm onto #5 in the first 36 hours, not to mention the wet ones. Call me lucky. What was she feeding them before she left? Gotta stop working so late so I can find the answers these mysteries.

Finally get the boys outside with me. Antenna is setup (homebrew 20m raised vertical). Time to fire up that QRP+! Wahoo! The boys are enthralled. So am I. Figure it's a good time to give the little rugrats an intro to ham radio, so I let them "look for beeps" for awhile. If I can just get 'em hooked...

Finally it's my turn. Play around with the receiver - wow! The filter really *is* that good! QRM is no match for it! Rig is solid. Smooth play on the tuning knob. Set the first three memories to WWV (5/10/15 MHz, instant LUF/MUF check...). Time to party. Get the straight key hooked up, pen and paper in hand and start... what the heck was that new call again? Ok, got it. Search and pounce now, search and pounce. Hear a call from 5-land - go! Got him! QRP WAS here I come! Let's get that RST/QTH... Argh! Domestic QRM! The two boys have decided to lock themselves in mortal combat over the possession of a small broom. Never mind that there's another little broom five feet away. Make a note to myself to have Bruce add a filter for that too. He'd make a fortune.

Limp through my first QSO on the QRP+. The rig is great. The operator is not. The boys have won. We go for a walk around the neighborhood, chase each other around the house, and dig in the dirt and mud outside. We're a total mess and couldn't be happier. Guess this is what it's all about after all. Vow to come home from work earlier from now on, before the boys fall asleep. Maybe go for more walks and look for frogs, lizards and other cool house pets. Wonder if I can get 'em interested in helping me hunt for "foxes" on 40m....

73 de KC7NEV (ex-KD6PRD),

-Joe

Joe Gervais, vole@primenet.com

"Ham Radio: The Original Worldwide Web"

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995

From: Joe Gervais <vole@primenet.com>

Subject: [3662] QRP+ Power - Thanks

Message-ID: <199510020559.WAA00231@usr4.primenet.com>

Hi folks,

Wanted to thank everyone who offered advice re: powering the QRP+. Got plenty of good ideas (batteries from golf carts and alarm systems sound interesting...) as well as feedback on the Power Station battery unit. The comments on the Power Station were generally very favorable, and I can now add myself to the list of happy customers - had it delivered a few days ago and have been using it with my new QRP+ quite successfully. Looking forward to the next field day. Heck, I might even make the QRP ARCI party my own personal field day.

Cheers!

-Joe, KC7NEV (ex-KD6PRD)

Joe Gervais, vole@primenet.com

"Ham Radio: The Original Worldwide Web"

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995

From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>

Subject: [3644] qrp-1 digest

Message-ID: <3343A45C55@iunhaw1.iun.indiana.edu>

Is it just me or are there others out there that do not get the complete digest for a given day? For example, I got #134 and filed it as I had looked at what was on the list but did not have time to print. When I returned, I went to the file and printed #134. I only got to item 3609. That was the end. This is the third time something like that has happened with me in the last month. I know someone will say it is the server here but I get 50-60 messages a day. In August I was on my honeymoon and not in for a week.

Everything was there IN TOTAL.

I am not saying it is NOT a problem here but am curious if there has been any other problems like this with others on the list. According to the recipients I got two days ago, we do have quite a few people on the list.

One other question directed at those with "edu" at the end of your address. Anybody in biology? Anybody a chairman? Maybe we could "talk" directly. Would love to.

72 & 73 de Tim Stabler WB9NLZ

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: KT3A@aol.com
Subject: [3654] Random Wire Success Story
Message-ID: <951001221514_34081816@mail04.mail.aol.com>

(Log notes from KT3A)

Not permitted to have antennas just makes me want one all the more. I've used the

"hamsticks" with moderate success. With the "Fox Hunt" coming, I decided I would

have something one notch better. I went through the wire stock and found a spool of 26 AWG solid wire. It was even green. I fired the weight, with kite string attached, over the neighbors tree. Don't ever do this when all the curious little boys in the neighborhood are watching and yelling out loud, "WHAT ARE YOU DOING??".

I attached the wire to a small button for an insulator. I connected the other end of the wire to my storage shed. Next I need a ground.....no a counterpoise! 3 and a half loops of wire were wound around the base of the shed. I hooked the tuner to the wire and it tuned just fine. Now all I need to do is run coax from the tuner in the shed to my bulkhead connector I have on the home's exterior. Since it was such a beautiful day, I decided to sit outside on the picnic table and "just make a few quick contacts".

The first contact was a mobile station in Ontario, near Lake Erie. That was a quick one.

My second contact was with a casual QRP'er. He owns a kW amp. He does own a MFJ 9020. He uses it when camping. He was looking for something on 40.

After hearing my rig, he was sold on the NorCal 40. He was 599+ with 100 watts and I was 579 with 2. The path must have real good as we QSO'ed for about an hour! Guess I qualify for the Ragchewer's Award.

It was worth it as he was sold on the fact that QRP is not just for campers. I was happy that the theory on a random wire worked for me. 72 de cameron, kt3a (As Rich said, "We build'em to use'em").

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: [3666] Souping up the NE40-40
Message-ID: <Pine.SGI.3.91.951002073558.4551A-100000@blues.epas.utoronto.ca>

I've had some interesting results trying to squeak a few more watts out of the NE40-40, and I post them here for comment and analysis. Please note that the kit as-is will put out about 1.5w and work just great for those of you with wire antennas. The following is an attempt to get more power, and obviously any troubles I have had reflect on my intelligence, not on the quality of this great little kit.

My first attempt comprised replacing the final xistor with an MRF237 and installing a bifilar transformer in place of the final's choke. The result was 2-3 watts out but horrible current consumption and a very hot transistor. Furthermore, when the output moved up to 3 watts, the sidetone eventually disappeared. Any ideas why this might be? My current favorite is that the transmit circuit is being pulled off frequency of the receive, though I must say that it sounds like it's just shutting off and doesn't seem to bend before that. (I'd thought about my battery not providing enough power and hooked the rig up to a 35Ah one just in case.)

In any case, I surmised that the problems was with insufficient drive current, so I planned to patch a 5w amp board in between the final and xmit/receive circuit. To test this idea, I removed the final xistor, removed the choke, and wired in some RG 174 to the collector and emitter traces of the pcb. This was used to inject a signal from my Icom rig and test to see that the xmit/receive circuit and the filter would be ok at the higher power levels. Once I got everything tuned and the audio muted, sure enough, it did fine - the sidetone stayed there this time up to the 6w I tested. However, that was with the watt meter at the output. When I put it at the input, I found that came out as 6w went in closer to 10W! In both cases there was virtually no reflected signal.

The most likely candidate for power loss in this situation seems to me to be the filter circuit on the NE40-40, but I have to say that I couldn't get any of the components to heat up to the touch by keying down for a while. To be honest, I would have thought an out-of-spec. pi filter would produce a high swr, not simply absorb power. The nominal values of this 5 pole filter are: L1 & L2: 1 mH; C1 & C3: 470 pF; C2: 1000pF. I have no way of testing the components I have installed. There are of course many designs in the literature, but this doesn't seem to far off the mark for 40m. Any ideas? Other ideas as to what is causing the attenuation? (Could the #26 awg wire on the filter toroids be introducing too much resistance?)

Now I'm re-thinking my first experiment with the MRF237. Perhaps the 2-3w I was getting out represented 5w at the transistor with the same attenuation I got when injecting a signal. In that case the MRF 237 option (much more compact!) still lives.

My next experiment I suppose will be to toy with the filter until power in = power out.

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: "BOB SCHNICK, DIRECTOR, LECOM LIBRARIES" <schnick@shrsys.hslc.org>
Subject: [3663] TT Argo 556 for sale
Message-ID: <00997423.28330069.2@shrsys.hslc.org>

It was a hard choice, but the ARGO is up on the block.
Includes 80,40,30 and 15 meter modules, Manual and Power cords, \$425+ shipping
Please E-mail or call me at 814 866-8165 (work)

Thanks for the bandwidth -- great group, great idea exchange.

KA3YJG/QRP

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: "Bob Schreibmaier" <k2ph@dxis.monroe.pa.us>
Subject: [3643] Voting on QRP-L Logos?
Message-ID: <m0szTGJ-0001AeC@dxis.monroe.pa.us>

My UUCP service provider had been down for a couple of days, so I was without my QRP-L fix. 8^{(

Is it time to vote on the proposed QRP-L logos yet? I was able to download them from work (hey, their server has to be good for something!), and they all look really good. Interestingly enough, I note that most of the submissions contain the magic word, "Internet," even though this is an electronic mailing list, not necessarily associated with the Internet. Wonder why that is.

Anyway, I tend to favor KF2PH's original submission. Has nothing to do with the call sign. 8^{)

73,

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: Scott Cranston <cranston@zk3.dec.com>
Subject: [3667] Re: 4sale: Sierra Kit
Message-ID: <9510021242.AA08618@alpha.zk3.dec.com>

The Sierra is sold, thanks for all the replies.

Scott

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: PaulKB8N@aol.com
Subject: [3647] Re: Antenna Tuner Parts
Message-ID: <951001185502_33933116@emout05.mail.aol.com>

In a message dated 95-10-01 18:33:09 EDT, MAILER-DAEMON@aol.com (Mail Delivery Subsystem) writes:

>From: PaulKB8N@aol.com
>Message-ID: <951001183225_69971155@emout05.mail.aol.com>
>To: qrl-1@lehigh.edu
>Subject: Rotary Inductors and Varicaps
>
>Available Parts: I've come across a small quantity of rotary inductors and
>variable capacitors that are great for Antenna Tuners, whether you decide to
>build a T-Network or a Pi Network. The rotary inductors are EF
Johnson-style
>229-201, 10.4uH. I have 6 available at \$16.00 ea or 2 for\$30.00. I also
>have 12 variable capacitors. These are Cardwell 10-377pf, with .1 in plate
>spacing. These will easily handle 100W, so therefore are very efficient for
>QRP. These are \$5.00 ea. Tuner set (2 caps and rotary inductor) is \$25.00.
> I also have several sizes of ferrite rods for baluns and ceramic switches.
> Hope these parts can serve the QRP Community. Paul, KB8N
>
>--SAA15661.812586780/emout05.mail.aol.com--
>
>
>
>----- Headers -----
>From Sun Oct 1 18:35:59 1995
>Received: from emout05.mail.aol.com (emout05.mail.aol.com [198.81.10.37]) by
>emin04.mail.aol.com (8.6.12/8.6.12) with ESMTP id SAA29089 for
><PaulKB8N@aol.com>; Sun, 1 Oct 1995 18:35:59 -0400

>Received: from localhost (localhost) by emout05.mail.aol.com (8.6.12/8.6.12)
>with internal id SAA15661; Sun, 1 Oct 1995 18:33:00 -0400
>Date: Sun, 1 Oct 1995 18:33:00 -0400
>From: Mail Delivery Subsystem <MAILER-DAEMON@aol.com>
>Subject: Returned mail: User unknown
>Message-Id: <199510012233.SAA15661@emout05.mail.aol.com>
>To: PaulKB8N@aol.com
>MIME-Version: 1.0
>Content-Type: multipart/mixed;
>boundary="SAA15661.812586780/emout05.mail.aol.com"

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: RobCap@aol.com
Subject: [3658] Re: Cascade VFO Prob
Message-ID: <951001232129_114051554@mail06.mail.aol.com>

Doug-

Please do not be too hard on yourself. You worked fast to get the Cascade out on our behalf. And despite the errors, the manual does a great job with the staged instructions and step by step test and alignment. You can be very proud of your work. Your instructions on the toroids are also FB, and your reference to winding the Bifilars with a drill is the first I've seen.

73,

Rob, WA3ULH

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Subject: [3642] Re: DXCC
Message-ID: <199510011826.LAA28348@mail.netcom.com>

>
> chuck adams writes:
> >
> >
> > OK Stanley,
> >
> > It's 2243 UTC here in TX on the 30th of September.
> >
> > You got lucky as Phyllis has me scheduled for a party

> > at the appointed hour of the beginning of this race. ;-)
> >
> > Remember your count starts at Zero/Zilch/Nada/Null/The Big Zero
> > at 0000 UTC. I'll be using the NC40A from Wilderness at 950mW
> > to give you a fair advantage. Good luck as you are gonna need it.
> > :-)
> >
> > I want 100 countries in 8 months. That's my goal. Did hear
> > a VK3 this morning on 40M. He wasn't strong but the band
> > is getting there. Gotta get me an antenna pointed to EU or
> > I'm gonna get creamed.....
> >
> > dit dit es gl
> > --
> > Chuck Adams (K5FO CP-60) adams@sgi.com
> > Box 181150, Dallas, TX 75218-8150
> > .-
> >
> Well Chuck , it doesn't bode well for you.. your starting the contest
> making excuses.
> I too had a party yesterday, a wedding to be exact and I always drink
> too much at weddings.. (guess they remind me of my own), but I did
> manage to get on for an hour or so afterwards.
>
> Caught a cuban calling cq and got a 599 from him, then I heard a JA
> portable in xe and waited out a qso to give him a quick shout, but the
> crowning achievement was working the zs2 in South Africa at 0452 after
> waiting for 2 or 3 qso's .He gave me a 559, but said the qrn was too bad
> to have a real qso. But Chick and I exchanged reports names and said 73,
> so he is # 3 in my log.
> I also heard 2 other zs stations on last night right after working one,
> sorry you missed that opening, but don't worry.. there may be others.
>
> Also heard a LOUD z1 and a few ve's as well as some vk's and a py, but
> I was tired and and didn't want to get too far ahead of you and have you
> get discouraged too soon.
>
> I'm seeing some good africans on the bands today on 20, so maybe I'll get
> lucky and they'll show up on 40 tonight.
>
> All these stations were worked on the low end of 40, under 7021, although I did
> hear a ja on 028 before turning off the rig last night.
>
> Tip # 2 , While signals are good in the AM, especially long path, It's like
> fishing in a crowded stream without a hook.
>
>
> cu..

> Stan..
>
> Did you read about the 5 call that made the HONOR ROLL using QRP ?
--
Stan Goldstein

From qrp-1@lehigh.edu Mon Oct 2 11:03:00 1995
From: N5EM@aol.com
Subject: [3641] Re: Loop antenna drawing
Message-ID: <951001124830_1462795@mail02.mail.aol.com>

--PART.BOUNDARY.0.9194.mail02.mail.aol.com.812566110
Content-ID: <0_9194_812566110@mail02.mail.aol.com.3572>
Content-type: text/plain

In a message dated 95-10-01 09:16:40 EDT, you write:

>What about saving the info as an attached file onto you're email ?
>
>This is a technique that most people do not know about, but it is the most
>powerful feature of internet email.
>
>

Joe,

This is only true for those who have directly attached Internet access that also allows file transfer. Many who have direct email through their company, have other Inet features blocked by the company gateway as a security measure. Further, many of us have Internet access by a provider such as AOL, Compuserve and Prodigy. Attached file transfer through those providers is not provided (over the Internet - it is provided to other members of the same access provider, ie, aol to aol). File transfer, via FTP is, so a better method is to post the file on an FTP server like Lehigh.edu and then reference everyone to it.

To see if what you sent is what you intended, I have reattached your file

73
Ed

--PART.BOUNDARY.0.9194.mail02.mail.aol.com.812566110
Content-ID: <0_9194_812566110@mail02.mail.aol.com.3573>

Content-type: text/plain;
name="TEST.TXT"

Content-Transfer-Encoding: quoted-printable

This is a test of the attachment function

* Joseph Cooper-VE3FMQ QTH-East York-near Toronto Ontario Canada *
* Interests are:- BCB and VLF Radio-Woodworking-Steam Railroads - *
* -Nikola Tesla-Antique Radios-Crystal Radios-Travel-Burmese Cats *
* FAX (416) 423-7782 9:00pm to 5:00pm EDST Monday To Friday Only *

--PART.BOUNDARY.0.9194.mail02.mail.aol.com.812566110--